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Attorney's Docket No.: 11926-092001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Vincent P. Stanton, Jr.

Art Unit : 1655

Serial No. : 09/638,267

Examiner : A. Chakrabarti

Filed : August 14, 2000

Title : GENE SEQUENCE VARIANCES IN GENES RELATED TO FOLATE
METABOLISM HAVING UTILITY IN DETERMINING THE TREATMENT OF
DISEASE

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

In response to the action mailed November 7, 2001, please amend the application as follows:

In the claims:

Please cancel claims 1-3.

Please add claims 4 and 5.

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4. A method for selecting a treatment for a patient suffering from a condition or disease, comprising:

determining whether cells of the patient contain at least one variance in the methylenetetrahydrofolate reductase gene, wherein the presence or the absence of the variance in the cells is indicative of the effectiveness of said treatment for the condition or disease,

wherein the variance is selected from the group consisting of:

- (a) a G at nucleotide 464;
- (b) a T at nucleotide 519;
- (c) a C at nucleotide 1059;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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11/B
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O.K.
to enter
Am. K. Chakrabarti
H.G.